Ankitha Venkata

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EDUCATION

University of Washington – Michael G. Foster School of Business **Seattle, WA**
Master of Science in Information Systems, GPA: 3.96/4.0 (**Class Valedictorian**) June 2022 – June 2023
Relevant Coursework: Business Data Analysis, Machine Learning, Data Mining, Database Systems and Data Warehouse

BITS Pilani University **Hyderabad, India**
Bachelor of Engineering in Electronics and Communication, **Graduated in the First division** Aug 2017 – Aug 2021

WORK HISTORY

Fortuna Identity **Nashville, TN**
Data Analyst July 2021 – Feb 2022
Cybersecurity startup specializing in Identity and Access Management for healthcare institutions
- Implemented **data mining** techniques in **Python** such as Frequent Pattern Growth Mining to improve the Intrusion Detection System (IDS) and reduced the number of false positives, saving 20 man hours per week
- Worked **cross functionally** with the business team and engineering team to conduct market research and designed dashboards for 3 types of stakeholders to visualize performance metrics
- Simulated an **ETL data pipeline** using **R Shiny** and developed a GUI to display 10 proposed dashboards

Airmeet **Bangalore, India**
Business Analyst Intern Jan 2021 – June 2021
- Handled over 40 clients in the APAC and MEA regions, managing **client relations** and over $350K of business
- Harnessed the use of **CRM software**, **Tableau** visualizations and **Metabase** queries to analyze company data and made **data-driven decisions** on customer expansion, lining up $100K in the pipeline for the next quarter

Fortuna Identity **Hyderabad, India**
Data Analyst Summer Intern May 2020 – July 2020
- Used **ELK Stack** to analyze network logs for **trends amongst data** packets that were raising false positive alerts
- Implemented a contextual signature database in Python for the IDS based on the **metadata** of safe packets
- Successfully filtered out false positive alerts bringing down the total alerts from 8.5 million to 50K per day

SKILLS

- **Programming Languages:** SQL, Python (Pandas, Numpy, Matplotlib, Scikit-Learn), R (Dplyr, Ggplot2, Caret)
- **Tools:** Tableau, PowerBI, MS Excel, MS Access, Metabase, ELK Stack, RethinkDB, Figma, LINUX, AWS
- **Certifications:** AWS Cloud Practitioner, (ISC)² Certified in Cybersecurity (CC), Google Cybersecurity Certificate
- **Areas:** Data Analytics, Data Governance, Data Visualization, Machine Learning, Database Management, Statistical Analysis, Business Intelligence, Data Transformation, Data Modeling, Technical Report Writing, Information Security

ACADEMIC PROJECTS

Predictive Modeling on Airbnb Listing Prices
- Analyzed Airbnb listing data to predict the price of a new Airbnb listing based on factors such as location and amenities and performed **statistical analysis** to suggest property improvements to increase hosts' revenue
- Implemented **machine learning** algorithms in R such as Multiple Linear Regression, random Forests, etc and achieved an RMSE value of 0.75 when predicting the price – Project Summary

Database Design for an Airlines Company
- Designed an efficient and scalable **relational database** using **SQL queries** for an airline considering their business operations and the intricacies of air travel, with 15 different tables and over 50 fields – Project Summary

Other Projects on Portfolio website: https://ankitha-venkata.github.io/

VOLUNTEER EXPERIENCE & EXTRACURRICULARS

Girl Up Amara, Head of Publicity **Aug 2020 – Aug 2021**
Led a team of 15 people in a United Nations initiative to raise awareness on issues through outreach campaigns

BITSMUN Hyderabad, Head of Professional Events **May 2019 – May 2021**
Spearheaded a new initiative to organize a large-scale event for an audience of over 500 people